



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

JAN 9 2001

DOT-E 9929
(ELEVENTH REVISION)

EXPIRATION DATE: December 31, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Thiokol Propulsion
(Former Grantee: Thiokol Corporation)
Elkton, MD

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

- a. This exemption authorizes the transportation in commerce of certain rocket motors, Division 1.3C in unauthorized packagings that exceed the quantity limitation for cargo aircraft. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
- b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.62 and 175.3 in so far as the quantity limitation for air shipment and parts of § 175.320(b) as specified herein.

5. BASIS: This exemption is based on the application of Thiokol Corporation dated October 31, 2000, submitted in accordance with § 107.109.

JAN 9 2001

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Rocket motors	1.3C	UN0186	II

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a metal shipping container shown on Morton Thiokol Drawing No. E42093 dated May 19, 1988 or Drawing No. E43360 dated September 29, 1989. The rocket motors (UN0186) covered under this exemptions are described in the table below, classed as Division as 1.3C explosives.

STAR MOTOR SERIES	CONTAINER "H"	DIM. "D"	MOTOR ASSY DWG	MAX ROCKET MOTOR WT
STAR 27 (EX-8805248)	68	61 1/4	E42002	805 LB
STAR 30 (EX-8805249)	86.25 77.62	61 1/4	E41623	1485 LB
STAR 37 (EX-8805250)	90.00 80.00	73 1/2	E41981	2540 LB
STAR 48 (EX-8805251)	98.50 90.50	82 1/4	E41985	4720 LB
STAR 48V (EX-9212012) (EX-9302001)	98.50 90.50	82 1/4	E41985	4800 LB
STAR 63 (EX-8910047)	87.625	128	E43359	9500 LB

b. OPERATIONAL CONTROLS - Drivers must have been instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire, or accident.

JAN 9 2001

8. SPECIAL PROVISIONS:

- a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.
- b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
- c. Two pieces of propellant explosive, solid, Division 1.3C not to exceed 7 pounds, 3.2 Kg, may be included in a wire basket inside the shipping container.
- d. For highway transportation, each motor carrier used to transport packagings authorized under this exemption must have a safety rating of "Satisfactory" as assigned by the Office of Motor Carrier Safety Field Operations (OMCSFO), Federal Highway Administration.
- e. For shipments by air:
 - (1) Shipments are to originate from Miami, Florida; Los Angeles, California; Sanford International Airport, Florida; Lakeland Linder Airport, Florida; Philadelphia, Pennsylvania; or Stewart International Airport, New York, destined for Kourou, French Guiana or Xichang, People's Republic of China. The air carriers authorized are Air France, Federal Express, Northwest Airlines, Southern Air Transport, Amerijet International, Inc., Emery Worldwide, Evergreen International Airlines or Polar Air Cargo.
 - (2) The carrier must conform to the requirements of § 175.320(b) except subparagraphs (5) and (7).
 - (3) In addition to the hazardous materials identified in paragraph 6 above, the following materials are authorized aboard the aircraft: Detonating fuse, Division 1.4S (EX-8905056; packaged per CA-900708) or (EX-9001215; packaged per CA-900143). No other hazardous materials are authorized for shipment under the terms of this exemption unless they are specifically identified to and acknowledged in writing by OHMEA prior to each shipment.

(4) This exemption does not grant authority to use foreign controlled air space or airports outside the United States.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel, and cargo aircraft only.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this exemption. The shipper shall furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
 - o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Registration required by § 107.601 et seq., when applicable.

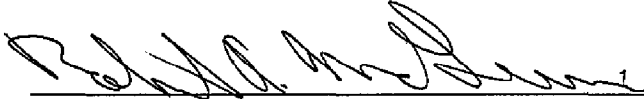
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

JAN 9 2001

Issued at Washington, D.C.:



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JAN 9 2001

(DATE)

Address all inquiries to: Associate Administrator for Hazardous
Materials Safety, Research and Special Programs Administration,
Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

The original of this exemption is on file at the above office.
Photo reproductions and legible reductions of this exemption are
permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S.
Department of Transportation, 400 7th Street, S.W., Washington,
DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: KFW

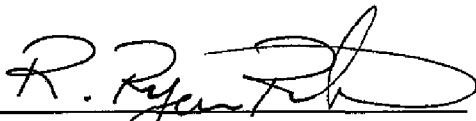
JAN 9 2001

Continuation DOT-E 9929 (11th Rev.) Appendix A

Page 6

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Boeing Space & Defense-ELS (formerly McDonnell Douglas Aerospace) Huntington Beach, CA	1/6/1999	2/23/1999	1/31/2001
Orbital Sciences Corporation Dulles, VA	8/4/2000, 11/16/2000, JAN 9 2001 12/13/2001		12/31/2002


For Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety